



My **passion** for computing and software development began from a very young age; and throughout the course of subsequent **decades**, my **eye for detail** and **can-do attitude** have resulted in a deep wealth of **knowledge** and **experience** in programming effective, and sometimes intriguing solutions to a wide range of **business opportunities**.

Senior Software Developer

Lexacom Limited
April 2024 - To Date

- » **Technical expert** on everything **.Net** & **WPF** for the team, contributing significantly towards refactors & feature design work.
- » Modernising **DevOps** employing **Docker/Podman** for the various infrastructure services implementing best practices for **DockerFile/Compose** authoring, laying foundation for **Kubernetes** scaling.
- » **Mentoring** fellow teammates in **C#/.Net**, **WPF** & **Avalonia**, **Security vulnerabilities**, **Node/Bun** for **JS/TS** work.
- » Performing peer **code reviews** and engaging in **Agile** ceremonies.

Senior Software Engineer

Capital Pilot Limited
Sep 2023 - Oct 2023

- » **Technical expert** on everything **.net** for the team, leading design & implementation conversations for the next major revamp of the flagship.
- » Performed **broad spectrum** clean-up **refactors** on the flagship product, paying technical debt built over the years while also delivering feature work.
- » Led conversations focusing on improving **UI & UX**, as well as **accessibility** story for the flagship product.
- » Received a **glowing letter of recommendation** for my work.
- » Unfortunately, the company went in Administration (PDF), in my second month of appointment, resulting in the short engagement.

Contracting & Freelancing

Mav's Work
Jan 2022 - March 2024

- » Leveraged my extensive network and expertise to work on diverse projects in **freelancing** capacity, continuously expanding my knowledge and skills.
- » **Mentored** and served as a technical expert for **Moon Prints**, an eight-month project involving HTML5 Canvas powering the embedded **art designer**, enabling personalised print for consumers' needs.
- » Performed IT & **DevOps** project work setting up everything online from scratch from **domain purchase** to setting up **CI/CD web hosting** (this cv is **deployed** via CD) to setting up **DKIM/DMARC/SPF** details for email flow.
- » Invested in my professional growth by **engaging** in various latest technical developments such as **Zig**, **Bun**, **ArrowJS**, and **Stric**.

Key Skills

C# / LINQ / EF

Performant Code

Html/CSS/JS

AspNetCore/MVC

WPF/XAML/MVVM

SQL/DDDL/DB Design

API Design

Data Analysis / BI

Functional Paradigm

TypeScript

F#

MSSQL/Postgres

Git

DevOps

Azure Cloud

Docker/TF

Powershell

Leadership

Mentoring

Line Management

Security

Privacy

Accessibility

Linux Admin



Business Applications Delivery Manager

Zenzero Solutions Ltd

Jun 2021 - Dec 2021

- » Played an essential role in the company's strategic growth by leading **investment decisions** alongside the board.
- » Coordinated and managed **migration plans** of legacy software to modern technology stacks (**.Net/Power Platform**) while mentoring team members on latest best practices.
- » Facilitated expansion as **team leader** & **line manager**, ensuring high morale and cultivating individual growth amongst team members.

Development Manager

AWSM Technologies Ltd

Sep 2019 - May 2021

- » Spearheaded a team of **26 developers** (including **9 seniors**) leading **technically** as well as **line management**, leveraging their combined capabilities to deliver a top-tier **flagship payroll** product.
- » **Key participant** in board meetings during **strategic decisions** around **future development** and **investment**.
- » **Upskilled the team** through ongoing detailed **code reviews** and **regular training sessions**. I'm particularly proud of having **trained a graduate** with a business focused degree, from the ground up, into a **core team developer** working on the flagship product.
- » Fostered **self-sufficiency** and **ownership** within the team.
- » Led various **Agile meetings** including Sprint planning, Daily stand-ups, Retrospectives.

Senior Developer

AWSM Technologies Ltd

Sep 2018 - Aug 2019

- » **Lead developer** for flagship payroll product.
- » **Significantly boosted performance** across all aspects of the flagship product.
 - » Reduced the most used and data-rich page renders from **40+** to **0.64 seconds** average through service code and Entity Framework query optimisations.
 - » Improved a second heavily used page's performance from **30** to **0.07 seconds** on average.
 - » The biggest improvement was in a reporting page where the time to render thousands of results was brought down from **180** to **1.2 seconds** on average.
- » Performed **expert refactorings** across entire codebase (despite no tests or documentation) without fail. The **achievement** that I am most proud of, was an **invoice rounding code standardisation** that was successfully completed as **200,000 lines refactor** involving both **C#** code & **SQL strings** interspersed in code with no test coverage.



Software Architect

Backbone (UK) Limited
Jun 2010 - Aug 2018

- » Built full-stack **automation projects** from profile removals after user logouts to complex **cloud infrastructure monitoring** for **billing & utilisation**.
- » Developed **desktop apps** (**client facing** & internal tools) using **WPF** following established best patterns & practices.
- » Conducted **data analysis** yielding **billing & utilisation** reports with LINQPad and Excel Power Query (using **M functions**) from databases, CSV, XML, JSON & XLSX files as well as connecting **O-Auth webservices**.
- » Technical lead on **cyber security** and **privacy** matters offering recommendations to keep the company **compliant** and safe with ever-changing cyber landscape.

Data Analyst / IT Administrator

Prevista Ltd
Feb 2008 - Jun 2009

- » Designed **key performance metric reports**, enabling informed **data-driven management decisions**.
- » Provided extensive **technical support** covering various aspects of network infrastructure, including MS Exchange, Blackberry Enterprise Server, Avaya phony, **MSSQL Server** and ISA Server.
- » In-house expert for **cyber security** & Excel data analysis.
- » Delivered essential upgrades to ensure company's systems and networks scale with ongoing growth.

Project Management Processes & Tools Engineer

NOKIA Telenetworks
May 2005 - Jan 2007

- » Produced detailed reports for **project management** decisions using tailored **Business Objects** modules.
- » Designed and **optimised existing** deployment processes to increase efficiency and meet very tight deadlines.
- » Developed complex **Excel 97 workbooks** (using **advanced formulae employing Indirect, Offset etc. ranges & SQL**) to meet specific managerial requirements, including replicating pivot tables **without VBA**.
- » **Automated** repetitive reporting tasks with **VBA** saving **hundreds** of person-hours the course of my employment.
- » Developed **Python** solution for automated data entry, freeing up **thousands** of colleagues man-hours nationwide and significantly increasing **accuracy** of entries.
- » Awarded **Best Team Nationwide 2006** & **Zonal Team Member of the Month Sep 2005**.

Network Administrator

APIIT
Sep 2001 - Mar 2005

- » **Automated** lab deployments to **reduce downtimes** for machines from days to 30 minutes per machine in a network of 500+ machines.
- » Optimised network and computer systems, achieving a **20-30%** performance increase across the board while **slashing** hardware requirements by **50%** doubling the capacity.
- » Migrated & consolidated Windows server to Linux boxes, leading to budget **savings of 83%** in licensing.